

Title (en)

HAMMING CODE-BASED DATA ACCESS METHOD AND INTEGRATED RANDOM ACCESS MEMORY

Title (de)

AUF HAMMING-CODE BASIERENDES DATENZUGRIFFSVERFAHREN UND INTEGRIERTER DIREKTZUGRIFFSSPEICHER

Title (fr)

PROCÉDÉ D'ACCÈS DE DONNÉES REPOSANT SUR UN CODE DE HAMMING ET MÉMOIRE VIVE INTÉGRÉE

Publication

**EP 3125251 A4 20170628 (EN)**

Application

**EP 14890817 A 20140923**

Priority

- CN 201410183884 A 20140430
- CN 2014087226 W 20140923

Abstract (en)

[origin: EP3125251A1] The present invention provides a method for writing/reading data based on hamming code and an integrated random access memory (IRAM) using the method. Herein, the method for writing data includes: analyzing a received reading/writing instruction to obtain a reading/writing state of the reading/writing instruction; and when it is determined that the reading/writing state is in a writing state, performing error checking and correcting ECC coding on data to be stored that are carried in the reading/writing instruction to generate a corresponding first check code, and storing the data to be stored and the first check code.

IPC 8 full level

**G06F 11/10** (2006.01); **G11C 29/42** (2006.01)

CPC (source: EP)

**G06F 11/1012** (2013.01); **G11C 29/42** (2013.01)

Citation (search report)

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- [X] US 2008183984 A1 20080731 - BEUCLER DALE [US], et al
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- [Y] US 2009307473 A1 20091210 - MILLER EDDIE [US], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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**EP 3125251 A1 20170201; EP 3125251 A4 20170628**; CN 105023616 A 20151104; WO 2015165202 A1 20151105

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